

Title (en)

Method for applying a coating to a substrate.

Title (de)

Verfahren zum Aufbringen einer Beschichtung auf eine Unterlage.

Title (fr)

Procédé d'application d'un revêtement sur un substrat.

Publication

EP 0426904 B1 19950517 (EN)

Application

EP 89202791 A 19891106

Priority

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Abstract (en)

[origin: EP0426904A1] Method for applying a coating to a substrate, in particular the outer surfaces of ships' hulls in order to protect them from fouling by exposure to marine organisms in a submerged aquatic environment, whereby the coating consists of polymerized fluorocarbon material (2, 6) which is thermally fused to the substrate (4,7), for example by means of a coherent form of radiation (1,8), e.g. a laser beam, whereby the fluorocarbon coating (2,6) absorbs sufficient energy to melt and pass sufficient energy to heat the substrate (4,7) at and near the interface (3,9), to bond the coating (2,6) and the substrate interface (3,9).

IPC 1-7

B05D 5/08; B05C 9/14; B05D 3/06; B05D 7/24; B63B 59/04; C09D 5/16

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

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Cited by

ITUB20156085A1; EP2857112A1; US7897214B2; RU2640771C2; US2009127136A1; US7638165B2; WO2005042648A3

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